



# Flex Foam

## Installation Sheet

### Tools & Supplies Needed

- Knife
- Nail Gun
- Fasteners or Adhesive
- Washers 1.25" Diameter<sup>1</sup> or 6" pieces of furring
- Fi-Foil FSK Tape or Other Low-e Tape

*1 Pronged Washers such as McMaster-Carr Item #95880A900 are recommended to reduce compression of foam*

### General Information

The framed assembly or masonry surface to which the insulation is applied can be curved or flat. Flex Foam has the unique ability to bend for curves and other building design features. Flex Foam should not be stretched to form the shape; simply cut and trim to create tight joints as needed. Be sure the substrate and Flex Foam are clean and dry before installation.

For typical applications, foil side of material must face the cavity air space in order to meet desired R-value.

### Splices/Joints

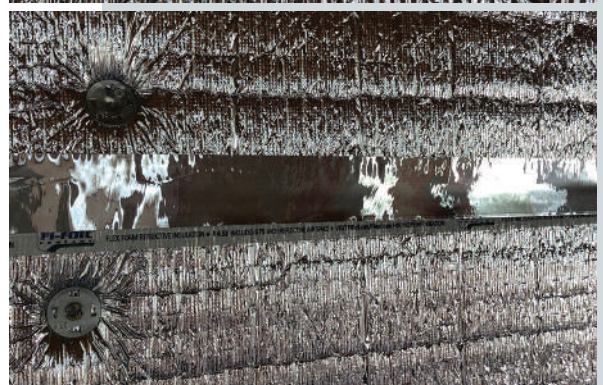
If gaps in splices or joints are larger than 1/4", fill with Flex Foam secured with Fi-Foil FSK Tape or use can foam suitable for gaps and penetrations for maximum performance. Other foil tapes permitted.

### Penetrations

For penetrations such as outlets, pipes and wires, cut Flex Foam tight to penetration. If the gap is 1/4" or larger, fill with Flex Foam secured with Fi-Foil FSK Tape or use can foam suitable for gaps and penetrations for maximum performance. Other foil tapes permitted.

### Tears

Tape any tears in material on the foil side using Fi-Foil FSK Tape or use can foam suitable for gaps and penetrations for maximum performance. Other foil tapes permitted.



## Installing on Masonry

Flex Foam can be installed vertically or horizontally onto a masonry substrate. Secure to masonry with mechanical fasteners that penetrate the masonry substrate at least 3/4" deep using a minimum 1.25" washer.

Secure reflective insulation with mechanical fasteners within approximately 8" of each corner and spaced no more than 24" on center around the perimeter and in the field. Other materials such as short pieces of furring (minimum 6" in length) may be used with fasteners.

As an alternative to fasteners, an adhesive compatible with polyethylene foam may be used.

## When Installing Furring With Flex Foam to Create An Enclosed Air Space

If needed, attach with enough fasteners or adhesive to hold in place until Flex Foam can be secured with furring strips including appropriate top and bottom plates per building specifications or blueprints. Furring cannot be installed greater than 24" on center.



Install Vertical or Horizontal



Cut to Fit



Install Horizontal Using Mechanical Fasteners



Install Horizontal Using 6" Furring Pieces



Install Horizontal Using Full Length Furring Strips

### Refer to ASTM C727

Standard Practice for Installation and Use of Reflective Insulation in Building Constructions and other installation considerations.

### RESNET Home Energy Rating Standards (HERS) Installation Grades & Tolerances

| Grade 1   | Grade 2  | Grade 3   |
|---|--|---|
| Missing insulation: Occasional and very small gaps are acceptable<br><br>Insulation is generally not compressed and defects total less than 2% of total wall insulation | Missing insulation: Incomplete or missing insulation totaling 2% - 10% of total wall insulation<br><br>Small gaps exist around electrical outlets and penetrations | Missing insulation: Incomplete or missing insulation totaling more than 10% of total wall insulation<br><br>Guidelines do not consider walls insulated under these conditions |

*Fi-Foil encourages the industry to aim for Grade 1 installation standards yet understands conditions can vary widely in the field; therefore, we recognize a variance of ≤10% missing insulation or defects to be considered an acceptable installation to meet energy & building code compliance.*

### Proper Storage

Store insulation material in a dry covered facility away from temperature extremes and weather elements.

### Handling

Protect material during handling and installation to prevent damage.

### Re-Installation

Re-installation of the product is not covered by the product warranty.